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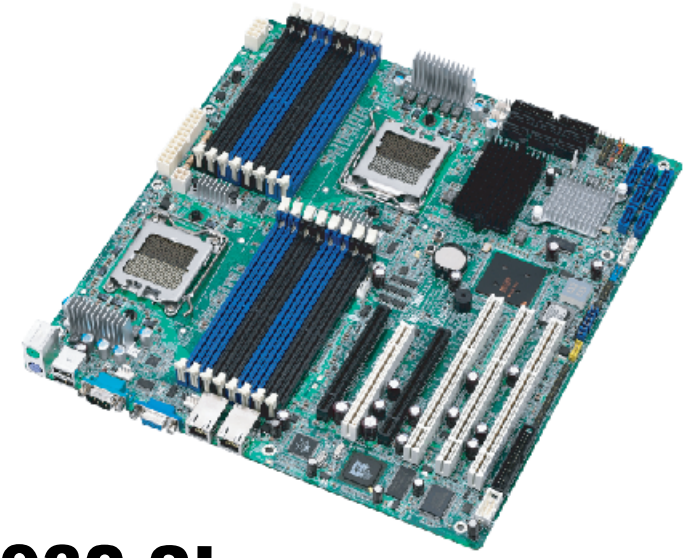
2-Socket Server Solution



S2932-SI

S2932WG2NR-SI / S2932G2NR-SI

2-socket AMD Opteron™ server platform fit for virtualization applications

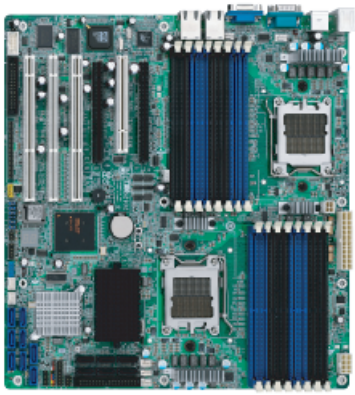
- Dual LGA 1207 sockets support up to (2) AMD 45nm Quad-Core Opteron™ 2300 series processors
- Support AMD Dual Dynamic Power Management (DDPM) feature
- nVIDIA nForce® Professional 3600 (NFP 3600)
- (16) 240-pin DDR2 DIMM slots support up to 64GB registered DDR2 800/667/533/400 w/ ECC memory
- (2) PCI-E x16 slots (w/ x8 link)
- (1) PCI-X 64/133MHz slot
- (2) PCI-X 64/100MHz slots
- (1) PCI 32/33MHz slot
- (8) SAS ports w/ RAID 0, 1, 1E support (S2932WG2NR-SI)
- (6) SATA-II ports w/ RAID 0, 1, 0+1, 5 support
- (2) GbE LAN
- EATX (12" x 13") form factor
- Optional TYAN® M3291 SMDC for IPMI v2.0 support

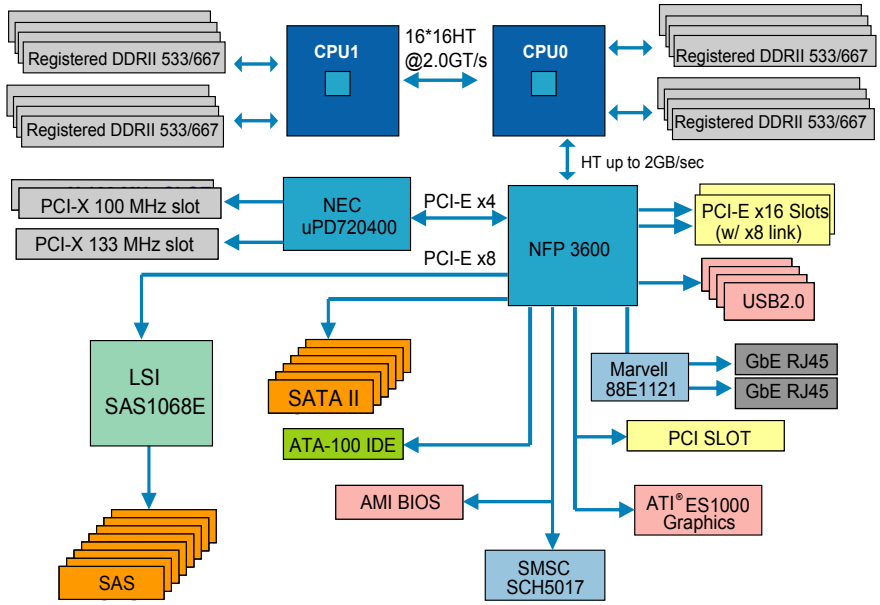
(Specifications are subject to change without notice. Items pictured may only be representative.)

S2932-SI

S2932WG2NR-SI / S2932G2NR-SI

TOP View





S P E C I F I C A T I O N S

Processors
- Dual LGA 1207 sockets
- Support up to (2) AMD 45nm Quad-Core Opteron™ 2300 series processors
- Support 4.4GT/s HyperTransport™ inter-processor link
- Support AMD Dual Dynamic Power Management (DDPM) feature

Chipset
- nVIDIA nForce® Professional 3600 (NFP 3600)
- NEC uPD720400 PCI-X Bridge
- SMSC SCH5017 Super I/O chip w/ temperature sensing

Memory
- Dual-channel memory bus
- (16) 240-pin DDR2 DIMM slots
- Support up to 64GB registered DDR2 800/667/533/400 w/ ECC memory

Expansion Slots
- (2) PCI-E x16 slots (w/ x8 link)
- (1) PCI-X 64/133MHz slot
- (2) PCI-X 64/100MHz slots
- (1) PCI 32/33MHz slot
- Total (6) expansion slots

Integrated I/O
- (1) Floppy connector
- (1) ATA133/100 IDE connector
- (6) SATA-II connectors
- (8) SAS connectors (S2932WG2NR-E only)
- (2) 2-port USB 2.0 headers
- (1) 9-pin COM header
- (1) 2 x 9-pin TYFP header
- (1) 2 x 6-pin TYFP2 header

System Management
- (7) 4-pin fan headers
- CPU temperature & voltage monitor support
- (1) 2-pin chassis intrusion header

Integrated 2D / 3D PCI Graphics
- ATI ES1000 graphic controller
- PCI interface
- 32MB DDR video frame buffer memory

Integrated SAS Controller (S2932WG2NR-SI)
- LSI SAS1068E 8-port SAS controller
- PCI-E x4 interface
- RAID 0, 1 and 1E support

Integrated Serial ATA II Controller
- SATA-II controller integrated in NFP 3600
- (6) SATA-II ports w/ RAID 0, 1, 0+1, 5 support

Integrated LAN Controllers
- Marvell® 88E1121 GbE PHY
- Total (2) RJ-45 LAN ports

BIOS
- AMI BIOS on 8Mbit LPC Flash ROM
- Support ACPI 2.0
- Serial Console Redirect
- User configurable H/W monitoring
- PXE via Ethernet, USB device boot
- PnP, DMI 2.0, WfM 2.0 Power Management

Power
- EPS12V 24 + 8 + 4-pin power connector

Form Factor
- EATX (12" x 13")

Regulatory
- FCC Class B (Declaration of Conformity)
- CE (Declaration of Conformity)

Server Management
- Optional TYAN® M3291 SMDC
- IPMI v2.0 compliant

Rear Panel I/O Ports
- (1) stacked PS/2 connectors for mouse and keyboard
- (1) stacked 2-port USB 2.0
- (1) DB-9 serial port
- (1) D-sub VGA port
- (2) side-by-side RJ-45 connectors

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